

## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/566,699  
Source: 1Fw0  
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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/566,697

DATE: 09/18/2006

TIME: 15:04:34

Input Set : E:\1547-5.ST25.txt  
 Output Set: N:\CRF4\09182006\J566697.raw

3 <110> APPLICANT: INSTITUTE OF BASIC MEDICAL SCIENCES, CHINESE ACADEMY OF  
 4 MEDICAL SCIENCES  
 5 Wang, Heng  
 6 Cai, Qiliang  
 8 <120> TITLE OF INVENTION: A METHOD FOR PREPARING POLYEPITOPE CHIMERIC GENE VACCINE  
 10 <130> FILE REFERENCE: 1547/5  
 C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/566,697  
 C--> 12 <141> CURRENT FILING DATE: 2006-02-01  
 12 <150> PRIOR APPLICATION NUMBER: PCT/CN2003/000620  
 13 <151> PRIOR FILING DATE: 2003-06-01  
 15 <160> NUMBER OF SEQ ID NOS: 53  
 17 <170> SOFTWARE: PatentIn version 3.3  
 19 <210> SEQ ID NO: 1  
 20 <211> LENGTH: 4  
 21 <212> TYPE: PRT  
 22 <213> ORGANISM: Artificial sequence  
 24 <220> FEATURE:  
 25 <223> OTHER INFORMATION: Artificial peptide linker  
 27 <400> SEQUENCE: 1  
 29 Gly Pro Gly Pro  
 30 1  
 33 <210> SEQ ID NO: 2  
 34 <211> LENGTH: 8  
 35 <212> TYPE: PRT  
 36 <213> ORGANISM: Plasmodium falciparum  
 38 <400> SEQUENCE: 2  
 40 Asn Lys Asn Asp Asn Lys Asn Asp  
 41 1 5  
 44 <210> SEQ ID NO: 3  
 45 <211> LENGTH: 23  
 46 <212> TYPE: PRT  
 47 <213> ORGANISM: Plasmodium falciparum  
 49 <400> SEQUENCE: 3  
 51 Lys Asn Glu Ser Lys Tyr Ser Asn Thr Phe Ile Asn Asn Ala Tyr Asn  
 52 1 5 10 15  
 55 Met Ser Ile Arg Arg Ser Met  
 56 20  
 59 <210> SEQ ID NO: 4  
 60 <211> LENGTH: 8  
 61 <212> TYPE: PRT  
 62 <213> ORGANISM: Plasmodium falciparum  
 64 <400> SEQUENCE: 4  
 66 Glu Glu Asn Val Glu His Asp Ala

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67 1 5  
70 <210> SEQ ID NO: 5  
71 <211> LENGTH: 18  
72 <212> TYPE: PRT  
73 <213> ORGANISM: Plasmodium falciparum  
75 <400> SEQUENCE: 5  
77 Glu Arg Glu Asp Glu Arg Thr Leu Thr Lys Glu Tyr Glu Asp Ile Val  
78 1 5 10 15  
81 Leu Lys  
85 <210> SEQ ID NO: 6  
86 <211> LENGTH: 20  
87 <212> TYPE: PRT  
88 <213> ORGANISM: Plasmodium falciparum  
90 <400> SEQUENCE: 6  
92 Leu Asp Asn Ile Lys Asp Asn Val Gly Lys Met Glu Asp Tyr Ile Lys  
93 1 5 10 15  
96 Lys Asn Lys Lys  
97 20  
100 <210> SEQ ID NO: 7  
101 <211> LENGTH: 18  
102 <212> TYPE: PRT  
103 <213> ORGANISM: Plasmodium falciparum  
105 <400> SEQUENCE: 7  
107 Glu Gln Gln Ser Asp Leu Glu Gln Glu Arg Leu Arg Ala Lys Glu Lys  
108 1 5 10 15  
111 Leu Gln  
115 <210> SEQ ID NO: 8  
116 <211> LENGTH: 15  
117 <212> TYPE: PRT  
118 <213> ORGANISM: Plasmodium falciparum  
120 <400> SEQUENCE: 8  
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126 <210> SEQ ID NO: 9  
127 <211> LENGTH: 18  
128 <212> TYPE: PRT  
129 <213> ORGANISM: Plasmodium falciparum  
131 <400> SEQUENCE: 9  
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137 Leu Leu  
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142 <211> LENGTH: 19  
143 <212> TYPE: PRT  
144 <213> ORGANISM: Plasmodium falciparum  
146 <400> SEQUENCE: 10  
148 Glu Asp Ser Gly Ser Asn Gly Lys Lys Ile Thr Cys Glu Cys Thr Lys  
149 1 5 10 15  
152 Pro Asp Ser

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156 <210> SEQ ID NO: 11  
157 <211> LENGTH: 19  
158 <212> TYPE: PRT  
159 <213> ORGANISM: Plasmodium falciparum  
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164 1 5 10 15  
167 Ile Asp Leu  
171 <210> SEQ ID NO: 12  
172 <211> LENGTH: 18  
173 <212> TYPE: PRT  
174 <213> ORGANISM: Plasmodium falciparum  
176 <400> SEQUENCE: 12  
178 Gly Asn Ala Glu Lys Tyr Asp Lys Met Asp Glu Pro Gln His Tyr Gly  
179 1 5 10 15  
182 Lys Ser  
186 <210> SEQ ID NO: 13  
187 <211> LENGTH: 19  
188 <212> TYPE: PRT  
189 <213> ORGANISM: Plasmodium falciparum  
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193 Asp Gln Pro Lys Gln Tyr Glu Gln His Leu Thr Asp Tyr Glu Lys Ile  
194 1 5 10 15  
197 Lys Glu Gly  
201 <210> SEQ ID NO: 14  
202 <211> LENGTH: 17  
203 <212> TYPE: PRT  
204 <213> ORGANISM: Plasmodium falciparum  
206 <400> SEQUENCE: 14  
208 Gly Ile Ser Tyr Tyr Glu Lys Val Leu Ala Lys Tyr Lys Asp Asp Leu  
209 1 5 10 15  
212 Glu  
216 <210> SEQ ID NO: 15  
217 <211> LENGTH: 10  
218 <212> TYPE: PRT  
219 <213> ORGANISM: Plasmodium falciparum  
221 <400> SEQUENCE: 15  
223 Gln Thr Asp Glu Ile Lys Asn Asp Asn Ile  
224 1 5 10  
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229 <212> TYPE: DNA  
230 <213> ORGANISM: Artificial sequence  
232 <220> FEATURE:  
233 <223> OTHER INFORMATION: Artificial oligonucleotide primer  
235 <400> SEQUENCE: 16  
236 gatcaccatg gaattc  
239 <210> SEQ ID NO: 17  
240 <211> LENGTH: 17

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Input Set : E:\1547-5.ST25.txt  
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241 <212> TYPE: DNA  
 242 <213> ORGANISM: Artificial sequence  
 244 <220> FEATURE:  
 245 <223> OTHER INFORMATION: Artificial oligonucleotide primer  
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 252 <211> LENGTH: 32  
 253 <212> TYPE: DNA  
 254 <213> ORGANISM: Artificial sequence  
 256 <220> FEATURE:  
 257 <223> OTHER INFORMATION: Artificial oligonucleotide primer  
 259 <400> SEQUENCE: 18  
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 263 <210> SEQ ID NO: 19  
 264 <211> LENGTH: 32  
 265 <212> TYPE: DNA  
 266 <213> ORGANISM: Artificial sequence  
 268 <220> FEATURE:  
 269 <223> OTHER INFORMATION: Artificial oligonucleotide primer  
 271 <400> SEQUENCE: 19  
 272 tgttcttgct gttgtcttg ctgcctaggc gc 32  
 275 <210> SEQ ID NO: 20  
 276 <211> LENGTH: 36  
 277 <212> TYPE: DNA  
 278 <213> ORGANISM: Artificial sequence  
 280 <220> FEATURE:  
 281 <223> OTHER INFORMATION: Artificial oligonucleotide primer  
 283 <400> SEQUENCE: 20  
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 287 <210> SEQ ID NO: 21  
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 289 <212> TYPE: DNA  
 290 <213> ORGANISM: Artificial sequence  
 292 <220> FEATURE:  
 293 <223> OTHER INFORMATION: Artificial oligonucleotide primer  
 295 <400> SEQUENCE: 21  
 296 gctctcggtc atgtcggtgt ggaagtagtt gttgcggatg 40  
 299 <210> SEQ ID NO: 22  
 300 <211> LENGTH: 41  
 301 <212> TYPE: DNA  
 302 <213> ORGANISM: Artificial sequence  
 304 <220> FEATURE:  
 305 <223> OTHER INFORMATION: Artificial oligonucleotide primer  
 307 <400> SEQUENCE: 22  
 308 catcaacaac gcctacaaca tgagcatccg ccgcagcatg g 41  
 311 <210> SEQ ID NO: 23  
 312 <211> LENGTH: 34  
 313 <212> TYPE: DNA

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314 <213> ORGANISM: Artificial sequence  
316 <220> FEATURE:  
317 <223> OTHER INFORMATION: Artificial oligonucleotide primer  
319 <400> SEQUENCE: 23  
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323 <210> SEQ ID NO: 24  
324 <211> LENGTH: 32  
325 <212> TYPE: DNA  
326 <213> ORGANISM: Artificial sequence  
328 <220> FEATURE:  
329 <223> OTHER INFORMATION: Artificial oligonucleotide primer  
331 <400> SEQUENCE: 24  
332 acatcatgcc tgatcagagg agaacgtgga gc 32  
335 <210> SEQ ID NO: 25  
336 <211> LENGTH: 32  
337 <212> TYPE: DNA  
338 <213> ORGANISM: Artificial sequence  
340 <220> FEATURE:  
341 <223> OTHER INFORMATION: Artificial oligonucleotide primer  
343 <400> SEQUENCE: 25  
344 tcctcttgca cctcgctg cggcctagggc gc 32  
347 <210> SEQ ID NO: 26  
348 <211> LENGTH: 53  
349 <212> TYPE: DNA  
350 <213> ORGANISM: Artificial sequence  
352 <220> FEATURE:  
353 <223> OTHER INFORMATION: Artificial oligonucleotide primer  
355 <400> SEQUENCE: 26  
356 acatcatgcc tgatcagagg gcgaggacga ggcaccctg accaaggagt acg 53  
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360 <211> LENGTH: 54  
361 <212> TYPE: DNA  
362 <213> ORGANISM: Artificial sequence  
364 <220> FEATURE:  
365 <223> OTHER INFORMATION: Artificial oligonucleotide primer  
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372 <211> LENGTH: 43  
373 <212> TYPE: DNA  
374 <213> ORGANISM: Artificial sequence  
376 <220> FEATURE:  
377 <223> OTHER INFORMATION: Artificial oligonucleotide primer  
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383 <210> SEQ ID NO: 29  
384 <211> LENGTH: 42  
385 <212> TYPE: DNA  
386 <213> ORGANISM: Artificial sequence

**VERIFICATION SUMMARY**

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Input Set : E:\1547-5.ST25.txt

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L:12 M:270 C: Current Application Number differs, Replaced Current Application No

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date